

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: January 9, 2002, 20:59:50 ; Search time 81.87 Seconds  
(without alignments)

10199.394 Million cell updates/sec

Title: US-09-117-447-1

Perfect score: 3687  
Sequence: 1 atggataggaagaaagctgt.....ttacatctatattagtaa 3687

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents, NA:\*

1: /cgn2\_6/ptodata/2/ina/5A.COMB.seq:\*  
2: /cgn2\_6/ptodata/2/ina/5B.COMB.seq:\*  
3: /cgn2\_6/ptodata/2/ina/6A.COMB.seq:\*  
4: /cgn2\_6/ptodata/2/ina/6B.COMB.seq:\*  
5: /cgn2\_6/ptodata/2/ina/PCUTS.COMB.seq:\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq:\*

Pred. NO. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	56.8	1.5	4248	3	US-08-678-614-1 Sequence 1, Appli
2	56.2	1.5	397	3	US-09-253-691-3 Sequence 3, Appli
3	53.4	1.4	7218	1	US-08-232-463-14 Sequence 14, Appli
4	51.4	1.4	7291	4	US-08-913-942-3 Sequence 3, Appli
5	51	1.4	2241	2	US-08-785-431-3 Sequence 3, Appli
6	51	1.4	2241	4	US-09-205-048-3 Sequence 3, Appli
7	51	1.4	2367	2	US-08-785-431-1 Sequence 1, Appli
8	51	1.4	2367	4	US-09-205-048-1 Sequence 3, Appli
9	49.8	1.4	5738	1	US-08-409-995-3 Sequence 3, Appli
10	49.8	1.4	5738	1	US-08-683-462-3 Sequence 3, Appli
11	49	1.3	5361	4	US-08-973-462-2 Sequence 2, Appli
12	49	1.3	6152	4	US-08-973-462-1 Sequence 1, Appli
13	48.8	1.3	2223	1	US-08-257-073-4 Sequence 4, Appli
14	47.4	1.3	3095	6	5231168-1 Patent No. 5231168
15	46.6	1.3	4766	5	PCT-US93-07261-10 Sequence 10, Appli
16	45.2	1.2	921	2	US-08-795-475-2 Sequence 2, Appli
17	45.2	1.2	1308	2	US-08-795-475-4 Sequence 4, Appli
18	45.2	1.2	5511	3	US-08-928-361B-2 Sequence 2, Appli
19	45.2	1.2	7334	3	US-08-928-361B-1 Sequence 1, Appli
20	45	1.2	3279	4	US-08-446-137B-1 Sequence 1, Appli
21	44.6	1.2	14602	1	US-08-597-236-1 Sequence 1, Appli
22	44.6	1.2	14602	1	US-08-746-682A-1 Sequence 1, Appli
23	44.4	1.2	1867	1	US-07-772-087-1 Sequence 1, Appli
24	43.8	1.2	1891	4	US-08-973-462-3 Sequence 3, Appli
25	43.6	1.2	1555	4	US-08-669-408B-9 Sequence 9, Appli
26	43.2	1.2	876	4	US-08-446-137B-3 Sequence 3, Appli
27	43.2	1.2	4197	2	US-08-682-517-7 Sequence 7, Appli

#### ALIGNMENTS

28	43.2	1.2	4197	2	US-08-682-517-8	Sequence 8, Appli
29	43.2	1.2	19124	2	US-08-487-826B-13	Sequence 13, Appli
30	42.6	1.2	835	3	US-08-961-083-93	Sequence 93, Appli
31	42.6	1.2	1714	3	US-08-961-083-3	Sequence 3, Appli
32	42.4	1.1	372	1	US-08-094-128A-24	Sequence 24, Appli
33	42.4	1.1	372	1	US-08-455-674-24	Sequence 24, Appli
34	42.4	1.1	372	1	US-08-455-997-24	Sequence 24, Appli
35	42.4	1.1	372	1	US-08-455-972-24	Sequence 24, Appli
36	42.4	1.1	372	5	PCT-US92-00652-24	Sequence 24, Appli
37	42.4	1.1	4977	1	US-08-450-257-14	Sequence 14, Appli
38	42.4	1.1	4977	1	US-08-450-246-14	Sequence 14, Appli
39	42.4	1.1	4977	1	US-08-450-098-14	Sequence 14, Appli
40	42.4	1.1	4977	1	US-08-451-233-14	Sequence 14, Appli
41	42.4	1.1	4977	1	US-08-450-236-14	Sequence 14, Appli
42	42.4	1.1	7904	1	US-08-316-239B-1	Sequence 1, Appli
43	42.4	1.1	7904	1	US-08-316-239B-2	Sequence 2, Appli
44	42.4	1.1	7904	1	US-08-410-005-1	Sequence 1, Appli
45	42.4	1.1	7904	3	US-08-928-140-1	Sequence 1, Appli

RESULT 1  
US-08-678-614-1  
Sequence 1, Application US/08678614  
Patent No. 6013507  
GENERAL INFORMATION:  
APPLICANT: Tomasz, Alexander  
TITLE OF INVENTION: AUXILIARY GENES AND PROTEINS OF  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David A. Jackson, Esq.  
STREET: 411 Hackensack Ave, Continental Plaza, 4th  
FLOOR  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/678,614  
FILING DATE: 10-JUL-1996  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 600-1-139  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-487-5800  
TELEFAX: 201-343-1684  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4248 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Staphylococcus aureus  
STRAIN: RUSA 266  
FEATURE:  
NAME/KEY: ORF  
LOCATION: 154..1410  
FEATURE:

NAME/KEY: ORF  
LOCATION: 1497..3500  
US-08-678-614-1

Query Match 1.5%; Score 56.8; DB 3; Length 4248;  
Best Local Similarity 41.6%; Pred. No. 0.00035;  
Matches 697; Conservative 0; Mismatches 942; Indels 35; Gaps 4;

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QY 52 agtgcatttgcgcgcaaatcccaacgctctgaaagcggtcagatgtagcaagta 111
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DB 2544 AATGCAAGCTTAATTTCTGCTTTAAAGCAATTGAAGCAGACAGCTCAGCAAGATTTA 2603
QY 112 gtaagcaagcaaaagcagatccaaagcaactactactactactactactactact 171
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DB 2604 GAAAGGTTTAAAGCAAGCAAAATCTCAAAAATTGAAATATTACTACTCTACGCAAAACA 2663
QY 172 gaactggtgaattcccaaacalttaacgaltatgctgtaatacacaagcgaaataa 231
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2664 AAAATGATGCTT-----ATTAATGAAGTTAAACAAAGCTGCACACAGCTAGAAAA 2711
QY 232 cgataccgtagtggttagcattagtagtaagcaggtggtggtggtggtggtggttac 291
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DB 2712 GCTCAAAATGCTACATTTTCAATTCACAAATGAAGAAAGTACAGACCTGATGACGA 2771
QY 292 ttagctgatttacaagaataatgaacttaactgcttccaagcaaaccttaactggtc 351
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DB 2772 GTAGATGCAAGCTCAAAAGCAAGTTTACATGACATCCAGTTGTTAAATCAAAACAGAA 2831
QY 352 gaagctcgttagcaactacatcgaatgcttcaactatgcaacaataatagaagaatg 411
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DB 2832 GTTGTGATGATCAAAATCAAAAGATTAGATTAAATCAATGCAATTCACACAAACAAAA 2891
QY 412 cgcgaagagctagagctgctgttcaagcaaaagattagaataagcagaacactact 471
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DB 2892 GTTAAACCTGCACCTATATGGAAGTAGAAMGCAATATATACAGCTAAACAGAAATT 2951
QY 472 ccaaaattccatgaatataaactcgcacagcatctttagatcgglataatgtaaa 531
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DB 2952 CAAATATGCAATGCTTCAACTACAGAAAGAAACAAAGCTGCATATACAGATTATGATAC 3011
QY 532 acaactcgtgatttactctgctcactacatlaaagaacaagacacaagaactcgagcagc 591
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DB 3012 AAAAACCAAGCAAGCAAGCAAAATCTTGATGCTGCAAAATCAAAACAGTGATGTAACACA 3071
QY 592 ttaattatgatatccgcttgatgaatgaagcgcggaagtaagaagcgtggaagaa 651
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DB 3072 GCTAAAGACATATGTTTGTGCTGCAATTTAATCAAGTTCAAGCTGCCCAACTTAAGAAATCG 3131
QY 652 ggcgaattgacaagaactaaagctgctgtgatacaaatcaatcaatcaatcaatcaat 711
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DB 3132 G---ATGCAAAAGCGGAAATCGCTCAAAAAGCAAGTAGAAGTAAACAGCAATTTGAAGCA 3188
QY 712 acagatgcttcaaaaactgaactaacaagaatgagaaagaacatagatgacagatgaa 771
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DB 3189 ATGAATGATTTGCTACTCTAAGAAACAAAGCAAGCAAGCAAGCAAGCAAGCAAGCA 3248
QY 772 gctgagcttaccacaagaattgaagtgtaagtggaattaaaccttaaaaaaagactgt 831
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DB 3249 GTTACTGCAAGCGCTGATATATGATATGCTGCAAGCAAGCAAGCAAGCAAGCAAGCA 3308
QY 832 gaattacagcagtlaccagtgaaacggaacataaacttaactt-----cagctgctg 886
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DB 3309 CTAAAGATGATGATCAATTCAGGAGCATTAACCTGATGCAATTTGTAACGAGCAAGCA 3368
QY 887 caaatgaagatacagtaaaactgaataactgtaactatctataaagtgagcgtlaacttc 946
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DB 3369 AACAAAGCAATTTGAGATTAAAGTACAGATCAAGAAACAGCAATTTGATGAATTAACGGCT 3428
QY 947 catttgcccttaatacagcagatgttcttcttatacagaagcaaaaaaactatcgtgtg 1006
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DB 3429 CAACAACTGAAGAAAAAGCAGCTGCTTAACACAACTGCAAACTGAAAAAACAACAGCTG 3488

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QY 1007 atgcttcaactccattcgaanaataacgagatataaagtaagtaagtaagtaagta 1066
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DB 3489 ATGCCCAATTAAGTACAGCAATACATACAAATGCGCAAGTTTAAAGCAAGCAAGCA 3548
QY 1067 acaaaaatggcaagaatttaagaagatgcatlcaacttcaagcttcgaatgatgtcgt 1126
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DB 3549 TTGCTTAAATTAAGCGATTCAGCCAGCAACAACTAAATATATGCAAGCAAGCA 3608
QY 1127 tagttactaaagtgttgaactaatgtatataa-----acaacattcgt 1171
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DB 3609 TTGCTAAGCAAGGATGAAGCAAGTAAACAGCAATCGCTTAAACGCAAGCAAGCAAGCA 3668
QY 1172 taacttagcagcaggttacttcgacacagatcacttaacagtagtagtattgataagt 1231
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DB 3669 AAGAAATTCAGAGGGCTAATGGGAGGTGATTAATCTCTGACACAGCAAGCAAGCAAGCA 3728
QY 1232 tgttagcactgaagaactgtaaacagctggaagcttaacttcaagatgttgaactgaa 1291
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DB 3729 TTGAAAGCTGCTAATAGTCAAAATGATGTAGACCAAGCAAGCAAGCAAGCAAGCAAGCA 3788
QY 1292 aagcattccagtaattgacttacttctgcttcaacttacttacttacttacttactt 1351
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DB 3789 TTGATCAAGTAAACCCACAGATTAATTAATAAAGCACTGCACGTAATGAATCAGCA 3848
QY 1352 cgttagtaactgttaaacacataaaacttgcatacaataatgtaaaacattactggt 1411
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DB 3849 TTTTAAATTAACAATTCGAAGATTCAGATCAAGCTACGACATGCAACAGATGAAGAAAC 3908
QY 1412 acaatgcaagcttaagagatgagtgtaactgcaagaagcagcagcagcagcagcagc 1471
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DB 3909 AAGCAGCTGATCTGCTGAAGCAAAATCTGAAATATGTAACCAATCAAGCAATTCAGCAG 3968
QY 1472 ccgctcctactacttaggttggttgaacttacttacttacttacttacttacttactt 1531
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DB 3969 CAAGCTATACAGCAGCAAGTTGATGAAGCTTAAAGCAATGCAAGCAAGCAAGCAAGCA 4028
QY 1532 ggggttaacttgcgtggtggtggtgaatgaagctggaactatatacctggttccatca 1591
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DB 4029 TAACACCAAAAGTTGTGAAGAAACAAAGCGCTAAGATGAATTTGATTAACAGCA 4088
QY 1592 caaacaagcttgcactaagtagtagaagaatcacttacttacttacttacttacttact 1651
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DB 4089 CGCAAAACAATGTTATCAATTAATGATCAGACGCTAACAACAGAAAGAAAGCAAGCTA 4148
QY 1652 aaaaagaatcgttagcagatgttgccttgaacttaataatgataagcagcgtta 1705
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DB 4149 TTCACAAATTAAGCAAGCAAGTTAGACAGCGCAAAATTAATTAATTAACGCTGCA 4202

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RESULT 2  
US-09-253-691-3/c  
; Sequence 3. Application US/09253691  
; Patent No. 6124100  
; GENERAL INFORMATION:  
; APPLICANT: Dong Kyu JIN  
; TITLE OF INVENTION: Diagnostic Method and Kit for Neuropsychiatric Diseases  
; FILE REFERENCE: 1942/36  
; CURRENT APPLICATION NUMBER: US/09/253,691  
; EARLIER FILING DATE: 1999-02-22  
; EARLIER APPLICATION NUMBER: KR 98-6,278  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: wordperfect 6.1/windows  
; SEQ ID NO 3  
; LENGTH: 397  
; TYPE: DNA  
; ORGANISM: human  
US-09-253-691-3

Query Match 1.5%; Score 56.2; DB 3; Length 397;  
Best Local Similarity 47.3%; Pred. No. 0.00019;



NAME: Vance, Dolly A.  
REGISTRATION NUMBER: 39,054  
REFERENCE/DOCKET NUMBER: A-61053-1/RFT/RMS/DVA  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
TELEX: 910 277299  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7291 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULE TYPE: DNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 163..7221  
US-08-913-942-3

Query Match 1.4%; Score 51.4; DB 4; Length 7291;

Best Local Similarity 45.3%; Pred. No. 0.008; Mismatches 321; Indels 12; Gaps 2;

Matches 276; Conservative 0; Mismatches 321; Indels 12; Gaps 2;

QY 601 gatattaccgttgcaatgaagcgcgcaagaagacagcgtgtgaagcaagcaattta 660  
DB 1714 ggtacgacaggtgacaaacacccatcagcgttaacccaagatggcatttaaacgagtaataa 1773  
QY 661 gacaaagctaaagctgctgtgtgatcaaatcaatcaatcaatcaatcaatcaatcaatcaat 720  
DB 1774 gctattactaatgtttgctccagctgctttgaagcgtttgaagcgtttgaagcgtttgaagcgt 1830  
QY 721 ttcaaaactgcaactcaagagtagcgaagaaagcattagatgacgaagagcgtcgtc 780  
DB 1831 ttttaattactctgcacacgtgatttttaattgacacggtgaagatgcttttaattta 1890  
QY 781 actccaaagctgaaagtgaaagtgagtaaacactcaaaacaaagcgtgtgtaataa 840  
DB 1891 aatcttaattgaaaaaaatgcaaat-----aaacaaacgcttgctgactacgacgacg 1941  
QY 841 gcaagtaacagtgaaacgaaactcaaatcaaatcaaatcaaatcaaatcaaatcaaatcaaat 900  
DB 1942 gcggcgactgtagcgcatgtttacgttaattgggtggtgtagtcaacaaacaaacgtagc 2001  
QY 901 gtaaacgtaaatcgtacgtatcctataaagtgtgacggttaaatccatttgcctta 960  
DB 2002 aaagaaac 2061  
QY 961 acgcaagatgttcttcttcttcttcttcttcttcttcttcttcttcttcttcttcttctt 1020  
DB 2062 gctacggttacttccaaatctgtaaaacggttaaacatgacgtttacgtttgctgctgaa 2121  
QY 1021 ttgcgaataacacgagagatataaagtagtagttaaagtagttaaagtagttaaagtagttaa 1080  
DB 2122 actaaagcggatgttgcggtcttgaataaagatgacgactatttaaacctcaaaagtgat 2181  
QY 1081 gaatttaagaagaatgacgttcaacttcaagcttcaagcttcaagcttcaagcttcaagctt 1140  
DB 2182 caaaac 2241  
QY 1141 ttggaactaatgtaaac 1200  
DB 2242 ttggaactaatgtaaac 1260  
QY 1201 gacgatact 1209  
DB 2302 gctactgct 2310

RESULT 5  
US-08-785-431-3  
; Sequence 3, Application US/08785431  
; Patent No. 5891667

GENERAL INFORMATION:  
APPLICANT: Chalker, Allison  
TITLE OF INVENTION: No. 5891667e1 Spoille  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SmithKline Beecham Corporation  
STREET: 709 Swedeland Road  
CITY: King of Prussia  
STATE: PA  
COUNTRY: USA  
ZIP: 19406-0939  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/785,431  
FILING DATE: 17-JAN-1997  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 9600955.0  
FILING DATE: 17-JAN-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Gimm, Edward R.  
REGISTRATION NUMBER: P31349  
REFERENCE/DOCKET NUMBER: P31349  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610-270-4478  
TELEFAX: 610-270-5090  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2241 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: Genomic DNA  
US-08-785-431-3

Query Match 1.4%; Score 51; DB 2; Length 2241;

Best Local Similarity 47.8%; Pred. No. 0.0063; Mismatches 195; Indels 3; Gaps 1;

Matches 181; Conservative 0; Mismatches 195; Indels 3; Gaps 1;

QY 2195 atgcaaatcctttagcaactaactatctatatacttacaactgaaggtcaagacgttaa 2254  
DB 701 atgcagagatgattgcataatcgttaaatcattcaagcagatcagcaagcaatttaa 760  
QY 2255 cagcaccacggttacaagaatgattcaaatgattcctttaaagaagcgtgagtgaa 2314  
DB 761 cagaacaaac 820  
QY 2315 ctacacttgaagagtgatgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 2374  
DB 821 cgaatgctatcgtatgttcttgcacacgttaacttcttgaatcaactgcaaaacacacacac 880  
QY 2375 aaacttctagtgcttcttcttcttcttcttcttcttcttcttcttcttcttcttcttctt 2434  
DB 881 caacatcttaaacctgaagac 940  
QY 2435 gatgagtagagtgctgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 2494  
DB 941 ttggcgttaattgca---aaagtcac 997  
QY 2495 gtaaaagtaagcgtgctgtgtgatactgaactgctgtgacacataagacacacacacacacac 2554  
DB 998 aaattcaac 1057  
QY 2555 aatgagtgtagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtag 1076  
DB 1058 cattagctttgac

RESULT 8  
US-09-205-048-1  
; Sequence 1, Application US/09205048  
; Patent No. 6258936  
; GENERAL INFORMATION:  
; APPLICANT: Hodgson, John E.  
; APPLICANT: Lawlor, Elizabeth J.  
; TITLE OF INVENTION: NO. 6258936e1 SPOILITE  
; FILE REFERENCE: P131349-D1  
; CURRENT APPLICATION NUMBER: US/09/205,048



ADDRESS: Plehr, Hohbach, Test, Albritton & Herbert  
STREET: Four Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: United States  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/685,467  
FILING DATE: 22-JUL-1996  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/409,995  
FILING DATE: 24-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Silva, Robin M.  
REGISTRATION NUMBER: 38,304  
REFERENCE/DOCKET NUMBER: A-61053-2/RPT/RMS  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
TELEX: 910 277299  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5738 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULE TYPE: DNA (genomic)  
US-08-685-467-3

Query Match 1.4%; Score 49.8; DB 3; Length 5738;  
Best Local Similarity 45.2%; Pred. No. 0.017;  
Matches 275; Conservative 0; Mismatches 322; Indels 12; Gaps 2;

QY 601 gataatcgttgcgaatgaagcgcggaaglacagaagcgtgtgaagcaggaacttla 660  
DB 1549 GGTACGACAGGTAACAACCCATGCGTAACCAAGATGGCATTTAAAGCAGTAAATAA 1608  
QY 661 gacaaagctaaagctgctgtgtgatacaatcaatcaatcaatcaatcaatcaat 720  
DB 1609 GCTATTACTTAATGTTGGCCAGCGGTTAAGAGCTTATGACGATGCAATTT--TGATGTT 1665  
QY 721 ttcaaaactgtaactaaggaagtagcgaataaaagcattagatgacgaatggaagctg 780  
DB 1666 TTTAATTAACCTGCAACTGATTTTAAATAGACACGTTGAAGATGCTTATTAACGTTTATTA 1725  
QY 781 actccaaagtgtgaagtgtaagtgatgatacaactcaaaagcgtgtgaatlaaca 840  
DB 1726 AATCTAATGAAAAAATGCA-----AATAAACAACCGTTGGTACGTACAGCAGCAGC 1776  
QY 841 gcaagtaccagtgaaagcgaacataaactlcaagctgctgtgcaaatgaagataca 900  
DB 1777 GCGGCGACTGTAGCGGATTTAGCTTAATTTGGGTTGGTATGATCAACCAAAAACGCTACG 1836  
QY 901 gtaaacgttaaatgactgtaataatcctataaagtgagcgtgaacatccattgacctta 960  
DB 1837 AATGAAGAAACCAATCAAGTTAAACACCTGATGAAGTCTCTTTAACCGGAGCCGGTCT 1896  
QY 961 acggcagaatgttcttctatcacagaaggaataactatcaactgtgagctcaactcca 1020  
DB 1897 GCTACGGTACTCTCAATTCGAAACCGTAACATACGATTACCGTTAGTGGCTGAA 1956  
QY 1021 ttcgaaataaiaacgagatlaaagtagtaagtaagtaagtaagtaagtaagtaagta 1080  
DB 1957 ACTAAAGCGATTTGGGCTCTTGAATAAATGATGCGCATACTATTAAACCTCAAAAGTGAT 2016  
QY 1081 gaatttaagaagaatgacatcttaacttcaagcttcgaaatgagctgctgtaactcaagt 1140

DB 2017 CAAAACACTGATAATGTTTAACTGTGGTATATATGGTACTGCTGTCACTAAAGCTGC 2076  
QY 1141 ttggaactaatgtaacaacacacacttctgtaacttagcagcaggaacttctgacact 1200  
DB 2077 TTTGAACGTTTAAACCTGAGACGACTGATGCGGTAAGTAACTGTAAGAT 2136  
QY 1201 gacgactact 1209  
DB 2137 GCTACTGCT 2145  
RESULT 11  
US-08-973-462-2  
Sequence 2, Application US/08973462B  
Patent No. 6191270  
GENERAL INFORMATION:  
APPLICANT: DRUILHE, PIERRE  
TITLE OF INVENTION: MALARIAL PRE-ERYTHROCYTIC STAGE POLYPEPTIDE MOLECULES  
FILE REFERENCE: 0660-0123-0 PCT  
CURRENT APPLICATION NUMBER: US/08/973,462B  
EARLIER FILING DATE: 1998-02-06  
EARLIER APPLICATION NUMBER: PCT/FR96/00894  
EARLIER FILING DATE: 1996-06-12  
EARLIER APPLICATION NUMBER: FR 95/07007  
NUMBER OF SEQ ID NOS: 29  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 2  
LENGTH: 5361  
TYPE: DNA  
ORGANISM: P. falciparum  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(5361)  
US-08-973-462-2

Query Match 1.3%; Score 49; DB 4; Length 5361;  
Best Local Similarity 45.6%; Pred. No. 0.026;  
Matches 215; Conservative 0; Mismatches 250; Indels 6; Gaps 1;

QY 1880 aaatgagcagcgtgataaagtaactgaagcccaagaatttactgtgaagttcag 1939  
DB 1118 aaagtgtgaagaataatgttggaagaatgtgagcgtgaataatgtlgaagaatgtgagctg 1177  
QY 1940 agaatttaaatcatttaagcttcaaacggttgcgtagcagcaatcacatagcgtcaag 1999  
DB 1178 aaatgttgaagaagtgtagctgaataatgttgaagaagaatgttagctgaataatgttgaag 1237  
QY 2000 ttgctgtgataaagcgggtgcaaatctatctgcttllacagcaagtgacatcattccag 2059  
DB 1238 aaagtgtgagcgtgaataatgttggaagaatctgtagctccaaactgttgaagaatctgtagctc 1297  
QY 2060 ctagtgttgaagcggctcactgtgcaagaatgtgaacatacaaatgtg-----aaagtgtcgt 2113  
DB 1298 caactgttgaagaataatgttagctccaaactgttgaagaatgtgtagctccaaactgttgaag 1357  
QY 2114 ctacaacattgaagaagtgtaaccagaaggtacaaattagtagtgttggtaagtgcaag 2173  
DB 1338 aaagtgtgaagaataatgttgaagaagaatgttagctgaataatgttgaagaagaatgttagctg 1417  
QY 2174 ctccgttlaaagatgtcgaataatgcaaatcttagcaactaactatctatcaactla 2233  
DB 1418 aaatgttgaagaagaatgttagctgaataatgttgaagaagaatgttagctgaataatgttgaag 1477  
QY 2233 caactgaaggtcaagaagtgtaaccagcaacacgggttlaacaaagatctcaaaagtgtagctc 2293  
DB 1478 aaagtgtgactgtgaataatgttgaagaagaatgttagctgaataatgttgaagaagaatgttagctg 1537  
QY 2294 taaagaagcgtgagtgtagttagcttagcttagcttagcttagcttagcttagcttagcttag 2344

Db 1538 aaatgttgaagaatcgtagctccactgttgaagaatcgtagctccaa 1588

RESULT 12

US-08-973-462-1

Sequence 1, Application US/08973462B

Patent No. 6191270

GENERAL INFORMATION:

APPLICANT: DRULHE, PIERRE

APPLICANT: DAUBERSTES, PIERRE

TITLE OF INVENTION: MALARIAL PRE-ERYTHROCYTIC STAGE POLYPEPTIDE MOLECULES

FILE REFERENCE: 0660-0125-0 PCT

CURRENT APPLICATION NUMBER: US/08/973,462B

CURRENT FILING DATE: 1998-02-06

EARLIER APPLICATION NUMBER: PCT/FR96/00894

EARLIER FILING DATE: 1996-06-12

EARLIER APPLICATION NUMBER: FR 95/07007

EARLIER FILING DATE: 1995-06-13

NUMBER OF SEQ ID NOS: 29

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 1

LENGTH: 6152

TYPE: DNA

ORGANISM: P. falciparum

US-08-973-462-1

Query Match 1.3%; Score 49; DB 4; Length 6152;

Best Local Similarity 45.6%; Pred. No. 0.027;

Matches 215; Conservative 0; Mismatches 250; Indels 6; Gaps 1;

Qy 1880 aaaaagggagcgcgtgatataaagtaacgtgaagcctcaagaatcttactgtgaagcttcag 1939

Db 1362 aaagtgtgaagaataatgttgaagaagaagtgtacgtcgaataatgttgaagaagtgtagctg 1421

Qy 1940 agaatlaaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaat 1999

Db 1422 aaatgttgaagaagaagtgttagctgaataatgttgaagaagaagtgttagctgaataatgttgaag 1481

Qy 2000 tgcgtgtgtgaagaagcgggtgcaaatctatctgctcttcacgaagtgatgacatccatccag 2059

Db 1482 aaagtgtgtgaagaagaagtgttagctgaataatgttgaagaagaagtgttagctgaataatgttgaag 1541

Qy 2060 ctagtgtgtgaagcgggtgtctgctgctgaagatggaacatatacaaatg-----aaagtgtgctg 2113

Db 1542 caactgtgtgaagaataatgttagctgaataatgttgaagaagaagtgttagctgaataatgttgaag 1601

Qy 2114 ctaccaaattgaacgttaacaaagggtacaaattagtagtgttcggtlaaagggtgcaacag 2173

Db 1602 aaagtgtgaagaataatgttgaagaagaagtgttagctgaataatgttgaagaagaagtgttagctg 1661

Qy 2174 ctcctgttaagaatgtctgaatgaatgaatgaatgaatgaatgaatgaatgaatgaatgaatgaat 2233

Db 1662 aaaaagtgtgaagaagaagtgttagctgaataatgttgaagaagaagtgttagctgaataatgttgaag 1721

Qy 2234 caactgaaggttaacaaagcgttaacaaagcgttaacaaagcgttaacaaagcgttaacaaagcgtt 2293

Db 1722 aaagtgtgtgaagaataatgttgaagaagaagtgttagctgaataatgttgaagaagaagtgttagctg 1781

Qy 2294 taagaagcgt 2344

Db 1782 aaaaagtgtgaagaagaagtgttagctgaataatgttgaagaagaagtgttagctgaataatgttgaag 1832

RESULT 13

US-08-257-073-4

Sequence 4, Application US/08257073

Patent No. 5766597

GENERAL INFORMATION:

APPLICANT: Paolietti, Enzo

APPLICANT: de Taisne, Charles

APPLICANT: Time, John A.

TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE

NUMBER OF SEQUENCES: 143

CORRESPONDENCE ADDRESS:

ADDRESSEE: Curtiss, Morris & Safford, P.C.

STREET: 530 Fifth Avenue, 25th Floor

CITY: New York

STATE: New York

COUNTRY: UNITED STATES OF AMERICA

ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/257,073

FILING DATE: 09-JUN-1994

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/075,783

FILING DATE: 11-JUN-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/852,305

FILING DATE: 18-MAR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/672,183

FILING DATE: 20-MAR-1991

ATTORNEY/AGENT INFORMATION:

NAME: Frommet, William S.

REGISTRATION NUMBER: 25,506

REFERENCE/DOCKET NUMBER: 454310-2570

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 840-3333

TELEFAX: (212) 840-0712

TELEX: 425066 CURTMS

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 2223 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-257-073-4

Query Match 1.3%; Score 48.8; DB 1; Length 2223;

Best Local Similarity 42.1%; Pred. No. 0.021;

Matches 543; Conservative 0; Mismatches 732; Indels 15; Gaps 4;

Qy 558 atttaagcaaaagcaagaacttcgcgaagcttaattatgatattaccgttgcatt 617

Db 534 attttaagcaatttaacgaatcaaaaaagctacactctttttgttaattacccaaaaaaaatt 593

Qy 618 gaaagcgcgcgaagtaagaagcgtgtgtgaagcagcaatttaagaagaagcgtgaagcgtgc 677

Db 594 tttttcttttaaaatcacaaggtcatataaaagcaaaaccttcacaaaaatcgaatgaatga 653

Qy 678 tgttatcaaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaat 737

Db 654 ccacacatcaaaaaatcaaaaggaatgaatgaatgaatgaatgaatgaatgaatgaatgaatgaatga 713

Qy 738 agaagtgcaaaaagaacattagatgcagatgaagcgtgcgttacttccaaaagttgaag 797

Db 714 aaacgatgacgaagatgacttaacgatgaagaaagatcaaaacgatgacgaagatgaatga 773

Qy 798 tgaagtcgatttaacactcaaaaagaagcgtgtgaatgaagcagatgaagcgtgaagcgtg 857

Db 774 tgacgaagatgacttaacgaatgaagaagatgacttaacgaatgaagaagatgacttaacgaatga 833

Qy 858 aacactaaattcaacacttcaagcgtgcgtgaagaatgaagaatgaagaatgaagaatgaagaatga 917

Db 834 tccatcacgcatgacgaattgaatgacttcccaactgaacgaatgacttgaatgaatgaatgaatga 893

Qy 918 acgatataaagtgagcagtgaaacattccattgcctttaaatacaggaagatgttctt 977



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Db 894 AATATGATTAACAGGAA--TAAATTTATGANGTGTAAAGTACATTAGCTCAATC 950
Oy 978 attacagagcgaataactalcactgtagctcactccactcgaataataacga 1037
Db 951 AGGTGGATTAGGAAGTATGATTTAATTTCTTAAATCAGCTAAAGAAATAGGAGA 1010
Oy 1038 gataaagtagtagttaaaggatataaagacaaaatgcaagaatttaaagaagatgc 1097
Db 1011 AATTTATTAATAACAAAGATGACCTGGAGATAGATATATCTTGAAGCTTTCC 1070
Oy 1098 attcaact--ttcaagcttcgaatgtagctgtagtactcaagtgcttgaactaatgc 1154
Db 1071 TTTGATCAATTAATATGTTAAAGATTAATTAACATATGATATTAATTAATA 1130
Oy 1155 aacaaacacactctcgttaaaccttagcagcaggtagcttcgcacactgcgaacttaac 1214
Db 1131 TTTGAAACAGAGTGTTTAAATTAATTAAGATTTATTAATTAATTAATTAACAGC 1190
Oy 1215 agtagattgataagtgtagcaccctgaacatgtaaacagctcgaacgttactatc 1274
Db 1191 ATATGATATCATATAGAAAGAAAGCTCAAGAAAGATTAACAGAACCTAGCTTAC 1250
Oy 1275 agatgtgaaactggaagacgactcgaatgtagtactcactctcgttcttacaattac 1334
Db 1251 TAAATGAAGAAATATGTTGAA-GAATTAAGAAAGATTTCTGATATGAGTATCAAAATAT 1309
Oy 1335 tattacgttaaagaagaggttagtaactcgttaaacatataacttgctatcaataatgt 1394
Db 1310 TATTTAGTAAAGTTAAAGCCTATTAAAGAAATTAAGAAATTAATTTCC----- 1361
Oy 1395 taaaacataactggttacaatgcaagcttcaagtagtgcactcgaacgacatc 1454
Db 1362 TAAGAAAGAAAGATATCAAGCAGTAGATACAAAGTATGAAAGAACCCAAAGTTAA 1421
Oy 1455 agcacaacagctgtcaccgctcactacttaagtggtgtaacactatcactcgttcc 1514
Db 1422 AGCACAAACACCTCTTAAAGGTGTTGAACCAAGCAAGATTTATTAATGACAGTAT 1481
Oy 1515 tcttaacacaaatggttgggtagtgaatgtagtggtgtagtgaagctggaactatca 1574
Db 1482 TAAATTAATTTATGATGAATTTGATTTCTTGAAGAAAGAAATTAATGAAATTAATGAC 1541
Oy 1575 tctgtccttcaatcacaacaacgctgtcactactagtagcgaatcactacttagcga 1634
Db 1542 ACCTAATTTGTACCACTCAATCAAAAAAAGAAAGAAAGAAAGAAAGAAAGAAAGTAT 1601
Oy 1635 taacttgtagttagtgaagaaatcgtgtagcagtgctgcttgaactaaatataa 1694
Db 1602 TATGGATGAAGAAATTTGATTAATCATCTGAAAGATTTATTTAAAGAAAGATTAATTAATGA 1661
Oy 1695 tgcgaagcgaataatgtagtaactttagtgcgaagaagcgaaccttaagaataacactca 1754
Db 1662 TGAAGAAATGATATGATGAAGTAAAGTTAAAGAAATTAAGTGTCAATTAAGAAATTTGA 1721
Oy 1755 tcaaatcaaaatliaaaaagcttgaagctcgaataaagtagttagtagcagcgttca 1814
Db 1722 ACCACTTAAAGATGAAATTTAGTGAAGAACCAATTAATTAATTAATTAATTAAGAAATTAAGA 1781
Oy 1815 cgagaacacataagtagtcaaaactcaaga 1844
Db 1782 TAAAAAACACATTTGAAGCTATTAACACAGCA 1811

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RESULT 14
5231168-1
; Patent No. 5231168
; APPLICANT: DZIEGIEL, MORTEN;BORRE, MARTIN;JEPSEN, SOREN;
; VUUST, JENS;RENECK, KLAUS;MIND, ANNETTE;JAKOBSEN, PALLE H.
; TITLE OF INVENTION: MALARIA ANTIGEN
; NUMBER OF SEQUENCES: 19
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/409,658
; FILING DATE: 18-SEP-1989

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; SEQ ID NO:1:
; 5231168-1
; LENGTH: 3095

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Query Match 1.3%, Score 47.4, DB 6, Length 3095;
Best Local Similarity 42.1%, Pred. No. 0.05;
Matches 270; Conservative 0; Mismatches 371; Indels 0; Gaps 0;

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Oy 417 agagtagagctgctgtgttcaagcagaagatttggaaaaagcagacatactatcaaca 476
Db 1269 agaggttgaagaattctaccagaagaatgataaaaaatgaaaagttgacatgaaatagt 1328
Oy 477 aattccttaagaattcaaatccgcacagctcatttagatcgcgtatagtggaataaac 536
Db 1329 agaaatgaaagaattctaccagaagaataaaaaatgaaaagttcacaatgaaatagtga 1388
Oy 537 tctgatttactcgtctacatttaagcaaaagcacaagaacttcgcgaacgttaat 596
Db 1389 ggttgaagaattctaccagaagaataaaaaatgaaaagttgacatgaaatagtgaagt 1448
Oy 597 ttatgatatcactcgttgaatgaaagcgcgcgaatgacaagaagctgtgaaagcagcaa 656
Db 1449 tgaagaattctaccagaagaataaaaaatgaaaagttcacaatgaaatagtgaagtgtga 1508
Oy 657 tttagacaagaagcgaagctgctgtgtgacaaatcaatcaatcaatcaatcaatcaatca 716
Db 1509 agaaattctaccagaagaataaaaaatgaaaagttcacaatgaaatagtgaagaatgtga 1568
Oy 717 tgccttcaaaactggaactaacagaagaatgagaaaaagcattagatgcaatgaaagctgc 776
Db 1569 aattctaccagaagaataaaaaatgaaaagttcacaatgaaatagtgaagaatgtgaagaat 1628
Oy 777 gcttctccaaaagttgaaatgtagtgaatgtagtgaatgtagtgaatgtagtgaatgtagtga 836
Db 1629 tctaccagaagaagaataaaaaatgaaaagttcacaatgaaatagtgaagaatgtgaagaat 1688
Oy 837 aacagcagatccagcgaagcgcgaactaaattacacttccagctgcgtcgaagaaga 896
Db 1689 tctaccagaagaagaataaaaaatgaaaagttcacaatgaaatagtgaagaatgtgaagaat 1748
Oy 897 tacaataacgtaaatctatgtagtcatataaagtgaagcgttaacattccattccct 956
Db 1749 accagaagaataaaatgtaaaagttccaacatgaaatagtagaagttgaagaattctcc 1808
Oy 957 taatcggcagatgttcttattctacagacggaataaactcactcgtgtagtgcacac 1016
Db 1809 agaattgttgaattggaagaagtagcaccatccacaacaataaataaataatattgaaac 1868
Oy 1017 tccattcgaaaaataatcaggaatgataaagtagtgaatgaag 1057
Db 1869 tataaacccagaagaaaaaaagaatgaaatgaaatgaaatgaaatgaaatgaaatgaaatgaa 1909

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RESULT 15
PCT-US93-07261-10
; Sequence 10, Application PC/TUS9307261
; GENERAL INFORMATION:
; TITLE OF INVENTION: PEMP3 MALARIA ANTIGEN, ANALOGS, ANTIBODIES AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John H. C. Blasdale
; STREET: One Giraldia Farms
; CITY: Madison
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07940-1000
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: Microsoft Word 5.1a
; CURRENT APPLICATION DATA:

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